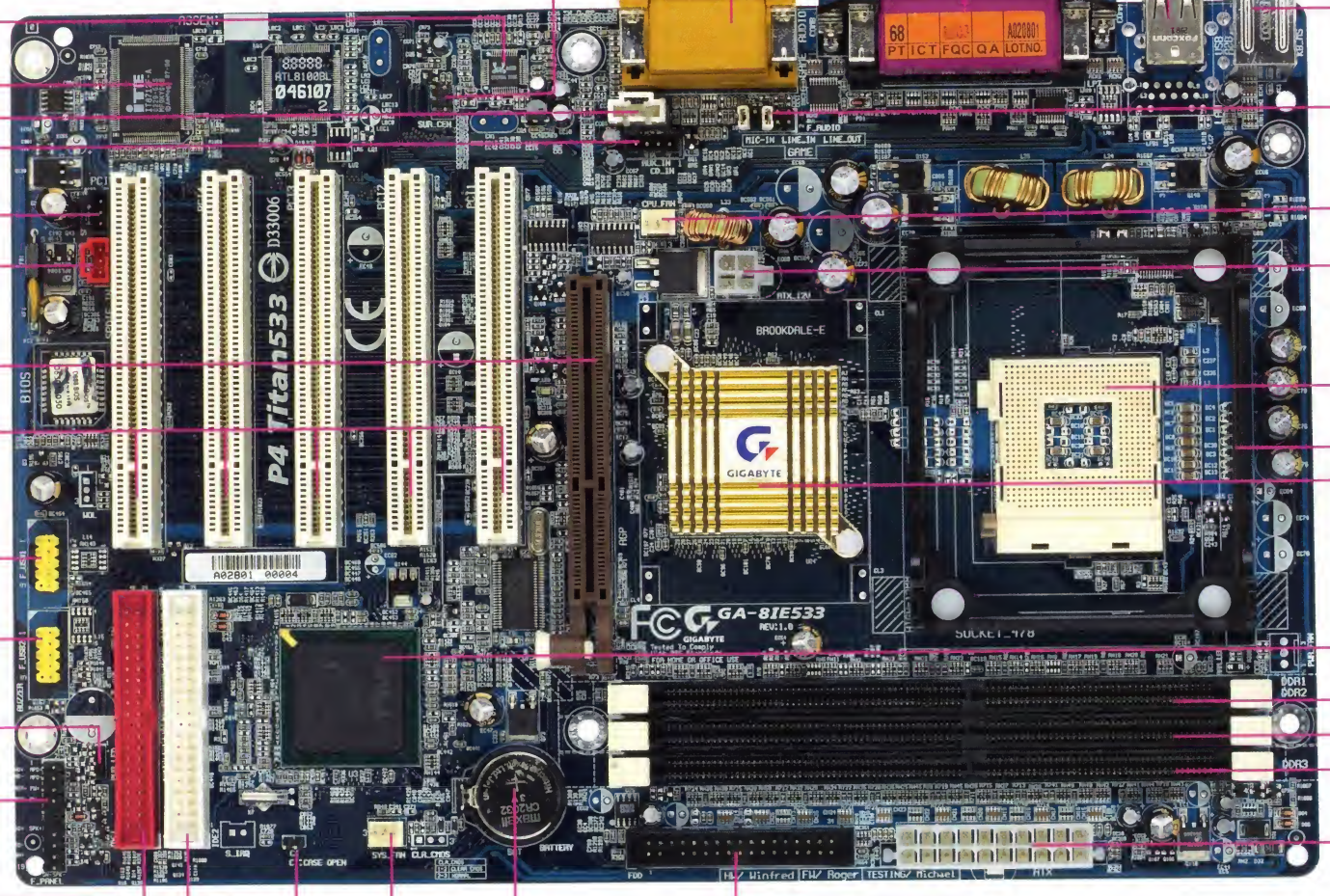
Quick PC Installation Guide

Gigabyte Pentium4 Titan 533 Series GA-8IE533



REV. 1001
12QE-8IE533-1001

Check List

- The GA-8IE533 motherboard
- IDE cable x 2 / Floppy cable x 1
- CD for motherboard driver & utility
- GA-8IE533 user's manual
- Quick PC Installation Guide
- 2 Port USB Cable x 1
- Motherboard Settings Label

Note:
1 The peripheral devices contained herein depend on your actual system configuration.
2 Third-party trademarks and names are the properties of their respective owners.
3 The information contained herein relevant to software and hardware are for reference only and in accordance with actual system configuration. All information are subject to change without notice.

Warning!
Computer motherboards and expansion cards contain very delicate Integrated Circuit (IC) chips. To protect them against damage from static electricity, please follow some precautions before you set up your computer.

1 Turn off the AC power and unplug your computer.
2 Hold motherboard by the edges and try not touch the metal objects.
3 Use a grounded wrist strap before handling computer components and IC chips (such as CPU and RAM).
4 Place components on a grounded antistatic pad or on the bag that came with the components whenever the components are separated from the system.
5 Ensure the ATX power supply is switched off before you remove the ATX power connector from the motherboard.

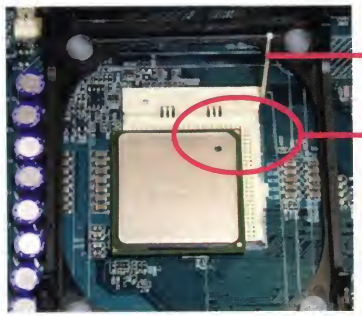
Quick PC Installation Guide

Please make sure all the accessories are included.

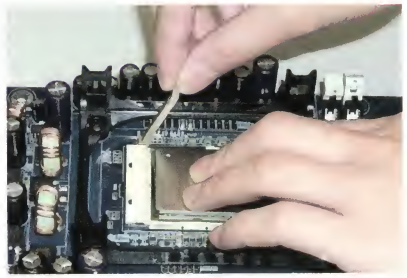
Step1 : Installing The CPU
Step2 : Installing The CPU Cooling Fan
Step3 : Installing A DIMM Module
Step4 : Chassis Introduction
Step5 : Removing the Side Panel Board
Step6 : Installing The Motherboard
Step7 : Installing The Power Supply
Step8 : Installing A 5.25"/3.5" Device
Step9 : Connecting Power and Cables
Step10 : Installing Expansion Cards
Step11 : Installing The Side Panel Board
Step12 : Installing Peripherals and Power
Step13 : Power On Screen
Step14 : BIOS Setup
Step15 : Installing drivers
Step16 : Troubleshooting

STEP 1 : Installing CPU

1-1 Pull up the CPU socket lever and up to a 90-degree angle.
1-2 Locate Pin 1 in the socket and look for a (golden) cut edge on the CPU upper corner. Then insert the CPU into the socket.
1-3 Press down the CPU socket lever to finish the CPU installation.
1-4 Make sure the CPU has properly installed . Then press the CPU evenly by hand, and pull down the lever lowered to lock the CPU in place.



Please make sure the Pin 1 Indicator(golden color) is aligned with Pin1 (notch) of the socket 478.



FYI footnote:
If you do not match the CPU socket Pin 1 and CPU cut edge, it will cause improper installation, and may damage the CPU.

We recommend you to apply the thermal tape to provide better heat conduction between your CPU and heatsink.
(The CPU cooling fan might stick to the CPU due to the hardening of the thermal paste. During this condition if you try to remove the cooling fan, you might pull the processor out of the CPU socket alone with the cooling fan, and might damage the processor. To avoid this from happening, we suggest you to either use thermal tape instead of thermal paste, or remove the cooling fan with extreme caution.)

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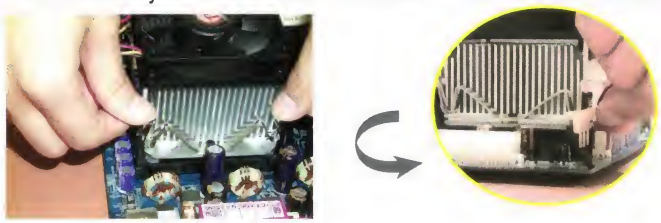
STEP 2 : Installing The CPU Cooling Fan

2-1 Please use an Intel approved cooling fan .
2-2 Make sure the CPU fan is plugged to the CPU retention module in the correct direction.
2-3 Make sure the CPU fan power cable is connected to CPU_FAN connector.
(Please refer to your CPU fan user's manual for more detailed installation procedure.)



CPU Heat Sink Installation:
Beware: Please check that the heat sink is in good contact with the CPU before you turn on your system. The poor contact will cause over heat, and might cause damage to your processor!

STEP 3 : Installing A DIMM Module

DDR RAM

The motherboard has 3 dual inline memory module (DIMM) sockets, but it can only support a maximum of 4 banks of DDR memory. DDR slot 1 uses 2 banks, DDR slot 2&3 share the remaining 2 banks. The BIOS will automatically detects memory type and size. To install the memory module, just push it vertically into the DIMM Slot .The DIMM module can only fit in one direction due to the notch. Memory size can vary between sockets.

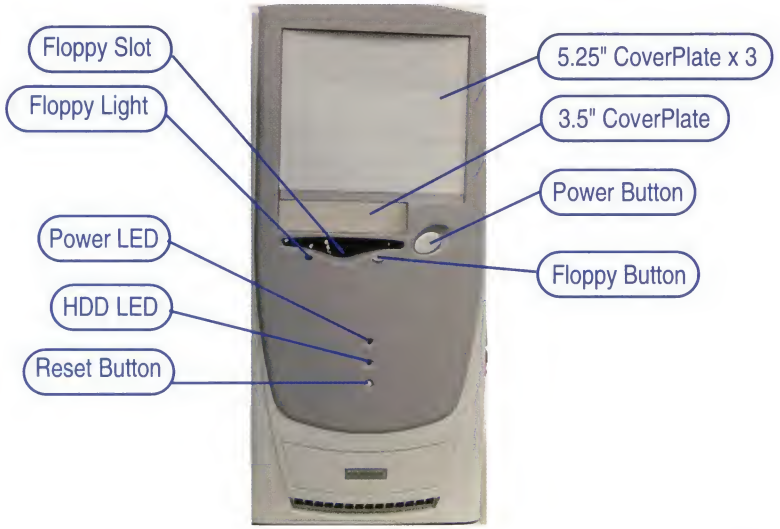
3-1 Open the two whitelocking levers on the DIMM socket.
3-2 Align the DIMM to the DIMMsocket. Press firmly down on the DIMM.
3-3 Push each lever locking towards the DIMM.

FYI footnote:
Please note that the DIMM module can only fit in one direction due to the two Keyed notches. The wrong orientation will cause improper installation,and may danage the DIMM socket..

STEP 4 : Chassis Introduction

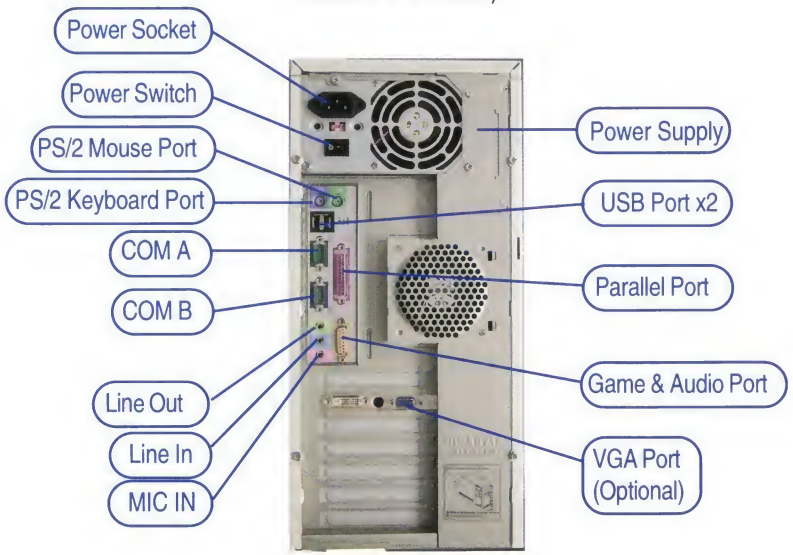
4-1 Front panel introduction

(The case design is different from manufacturer to manufacturer. Please install in according to your case user's manual. This installation guide is for reference only.)



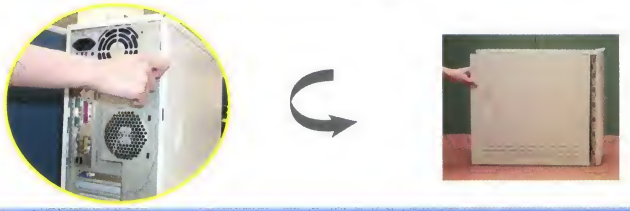
4-2 Rear panel introduction

(Please move to step 7 if your power supply is not already installed in the case)



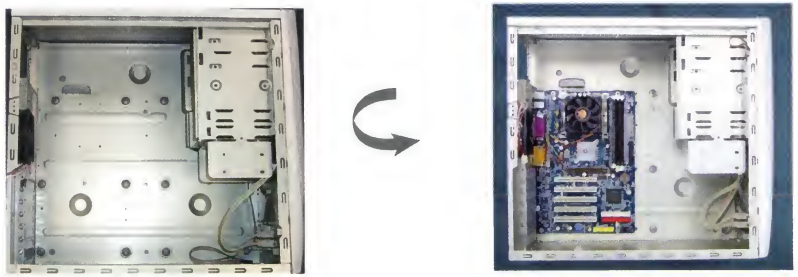
STEP 5 : Removing The Side Panel Board

5-1 Undo the screws from chassis.
5-2 Pull out the PC's metal chassis side panel.
5-3 Be careful not to cut yourself by the panel.



STEP 6 : Installing The Motherboard

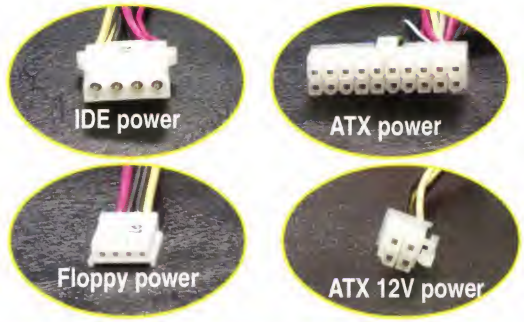
6-1 According to an actual system configuration, please discharge the power supply from your motherboard if needed.
6-2 When the risers are in position, place the motherboard over the risers so that the mounting holes and the risers aligned. Fasten the Motherboard to the risers with the provided screws. (Motherboard mounting holes must line up with the cases mounting holes accordingly.)
6-3 Affix your new motherboard in the case properly.



FYI footnote:
According to your actual requirements, the risers may be used to keep the motherboard from touching the metal computer case and causing a short.

STEP 7 : Installing The Power Supply

7-1 An Intel approved ATX 12V power supply is recommended.
7-2 Gently fasten power supply to your PC's chassis with screws.

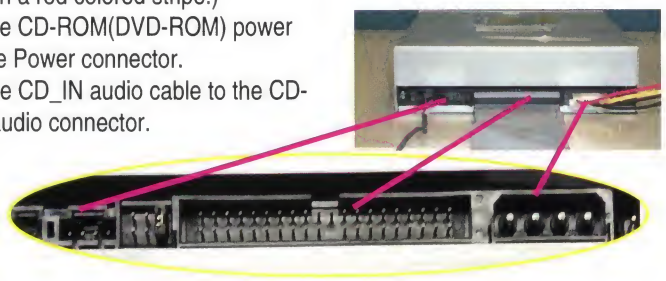


STEP 8 : Installing A 5.25" / 3.5" Device

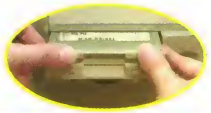
8-1 CD-ROM(DVD-ROM) drive Installation

8-1-1 Move 5.25" CoverPlate .
8-1-2 Note the location of the CD-ROM(DVD-ROM) drive controller header pins.
8-1-3 Screw the CD-ROM Device in place.
8-1-4 Orient the IDE ribbon cable as shown. Note the location of the red stripe on the cable indicating its Pin1 location. Align up the Pin1 of the ribbon cable to the controller header pin-1, then insert firmly.
Wrong orientation will cause improper installation. (Pin1 of cable is normally marked with a red colored stripe.)

8-1-5 Connect the CD-ROM(DVD-ROM) power cable to the Power connector.
8-1-6 Connect the CD_IN audio cable to the CD-ROM CD audio connector.



8-2 Floppy disk drive Installation

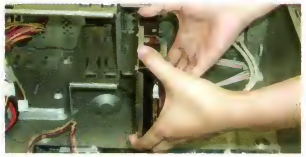


8-2-1 Move 3.5" CoverPlate
8-2-2 Note the location of the floppy disk drive controller header pins.
8-2-3 Screw the FLOPPY disk device in place.
8-2-4 Orient the floppy disk cable as shown. Note the location of the red stripe on the cable indicating its Pin1 location. Align up the Pin1 of the ribbon cable to the controller header pin-1 then insert firmly. Wrong orientation will cause improper installation.
(Pin1 of cable is normally marked with a red colored stripe.)

8-2-5 Connect the floppy disk power cable to the power connector.

8-3 Hard Disk Drive Installation

8-3-1 Note the location of the hard disk drive controller header pins.
8-3-2 Screw the HARD DRIVE disk device in place..
8-3-3 Orient the IDE cable as shown. Note the location of the red stripe on the cable indicating its Pin1 location. Align the Pin1 of the ribbon cable to the controller header pin-1, then insert firmly.
Wrong orientation will cause improper installation.
(Pin1 of cable is normally marked with a red colored stripe.)



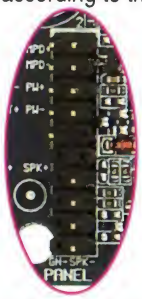
8-3-4 Connect the IDE power cable to the power connector.

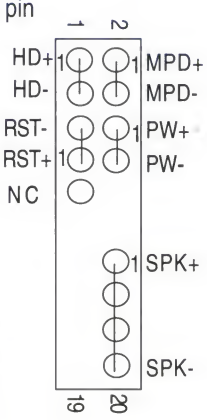
FYI footnote:Please note, install the IDE cable in advance .

STEP 9 : Connecting Power and Cable

9-1 Connect the power LED, PC speaker, reset switch and power switch etc. of your chassis front panel to the front panel jumper according to the following pin assignment.

RST(Reset Switch)
P+P-P-(Power LED)
PW(Soft Power Connector)
HD(IDE Hard Disk Activity LED)
SPK(Speaker Connector)
MPD(Message LED/Power/Sleep LED





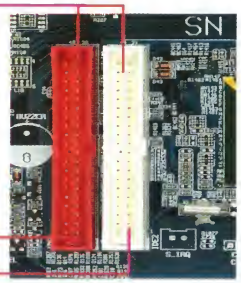
Please note, the power LED, PC speaker, reset switch and power switch. Pin assignments differ from manufacturer to manufacturer.

9-2 Carefully connect all cables, leads, and peripherals to the motherboard.

Pin1 of ribbon cable is normally marked with a red colored stripe.

Floppy Connector

Pin1 of ribbon cable is normally marked with a red colored stripe.

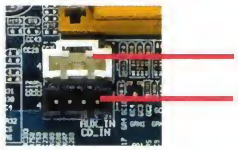


IDE1(Primary) Connector
IDE2 (Secondary)Connector

Important Notice:
1. Please connect first harddisk to IDE1 and connect CDROM to IDE2.

9-3 Connect the ATX power supply cable to the motherboard ATX power connectored.
9-4 Connect the ATX 12V and Aux.power supply cable to the motherboard AUX 12V power connector.(Note: system will not power up if this is not connected.)

9-5 Connect CD_IN/AUX_IN connector.



9-7 This motherboard provides A fan failure alarm and CPU temperature alarm if your computer chassis includes a system fan, and/ or a sensor cable from your power supply. Please connet to the SYS_FAN connectors.

STEP 10 : Installing Expansion Cards

10-1 Discharge the rear add-on card panel. (Be careful not to scrape the motherboard surface and components.)
10-2 Plug in add-on cards. Fasten the add-on card panel to the metal computer case with the provided screws.

STEP 11 : Installing The Side Panel Board

11-1 Push the chassis forward and close the front panel.
11-2 Fasten the computer case screws.

STEP 12 : Installing Peripherals and Power

12-1 Please refer to Step 4-2 for more details about how to connect the external peripherals to the PC.
12-2 Turn off the power supply. (Please do not connect the power cable to AC if your computer doesn't have a power switch.) Next connect the power cable to the system and make a final inspection .
** Congratulations you have accomplished the hardware installation!
12-3 Turn on the power supply or connect the power cable to the power outlet. Continue with the software installation.

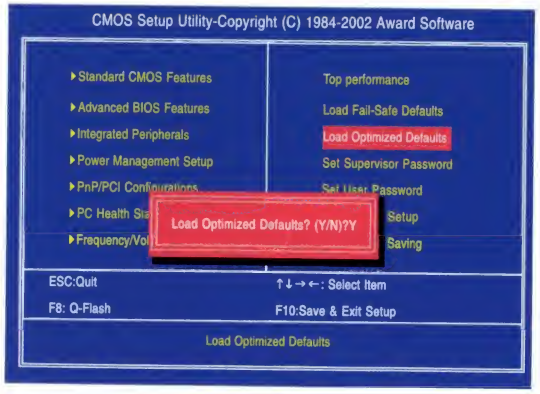
STEP 13 : Power On Screen

You can see the following information from the boot up screen:
1.Award BIOS Included
2.Model Name : 8IE533, BIOS version: F1
3.CPU Frequency : 1.7GHz(100x17.0)
4.Memory Size : 128MB
5.HD : FUJITSU MPE3170AT
6.CD-ROM : CREATIVE DVD-ROM

You may refer to the above information relevant to your system configuration indicating that the IDE device is working properly.Or if the IDE is undetected, the system will not boot in to HD. During POST (Power On Self Test), pressing <Del> immediately enters the Award BIOS CMOS SETUP. To enter Advanced BIOS setting menu, press "Ctrl+F1" key on the BIOS screen.

STEP 14 : BIOS Setup (I)

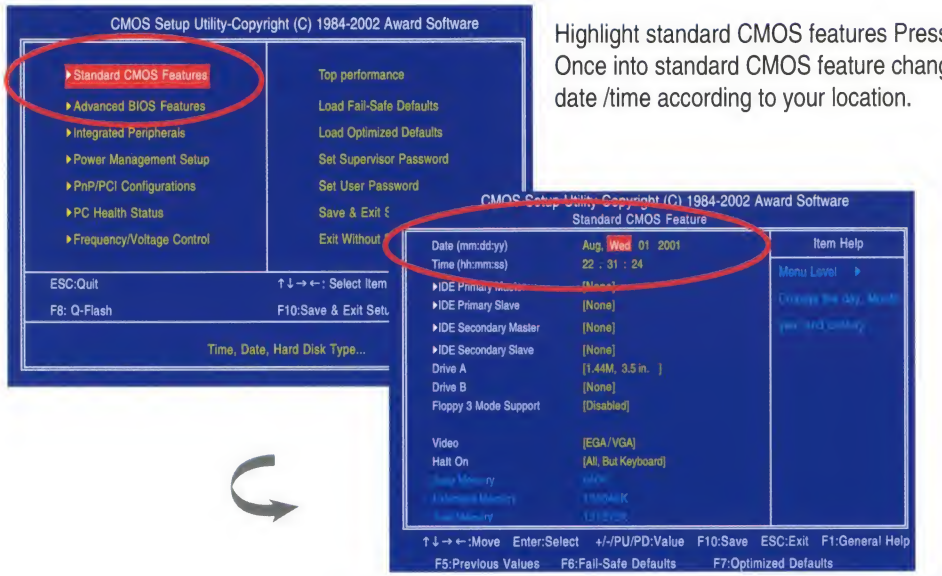
14-1 Load Optimized Default



Selecting "Load Optimized Defaults " will load the optimal setting into the BIOS. Move the cursor, by pressing the arrow keys on the keyboard ,to highlight the optimized default and press the enter key. Then press "Y" if you wish to load this option.

STEP 14 : BIOS Setup (II)

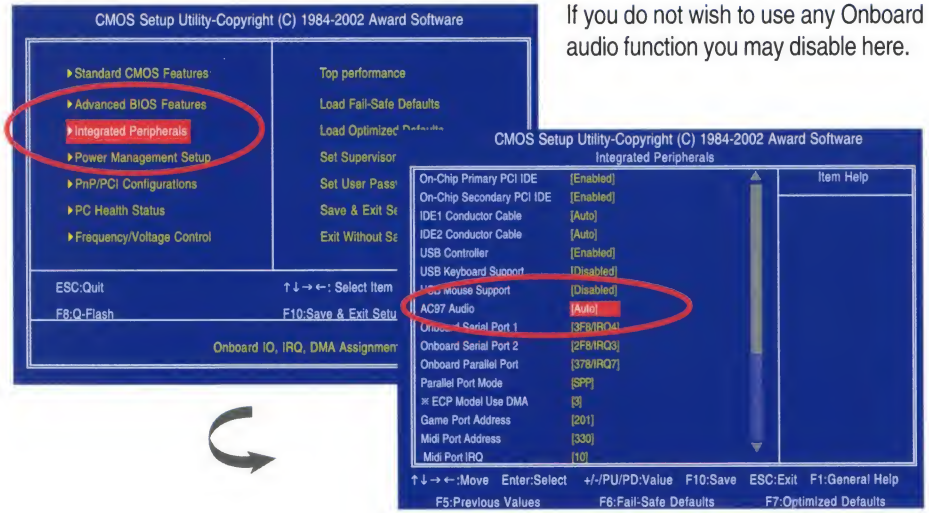
14-2 Setting date and time.



Highlight standard CMOS features Press enter ; Once into standard CMOS feature change the date /time according to your location.

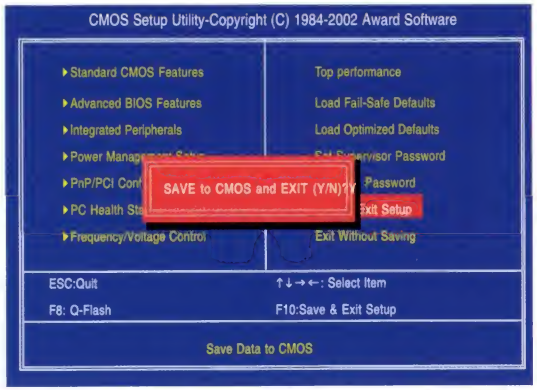
14-3 Disable onboard audio function.

(Please skip this step if you would like to ues onboard audio.)



If you do not wish to use any Onboard audio function you may disable here.

14-4 Save & Exit Setup



To save / exit the BIOS setting screen press F10, and press "Y" if you want to save the setting. By typing "N" or "ESC", this will take you back to setup screen.

STEP 15 : Installing Drivers

Picture below are shown in Windows XP (IUCD:2.11)

After your OS is installed correctly and running properly , it is time to install drivers. Insert the driver CD-title that came with your motherboard into your CD-ROM driver, the driver CD-title will auto start and show the installation guide. If not, please double click the CD-ROM device icon in "My computer", and execute the setup.exe.

A: Intel 845-E Chipset Driver Installation

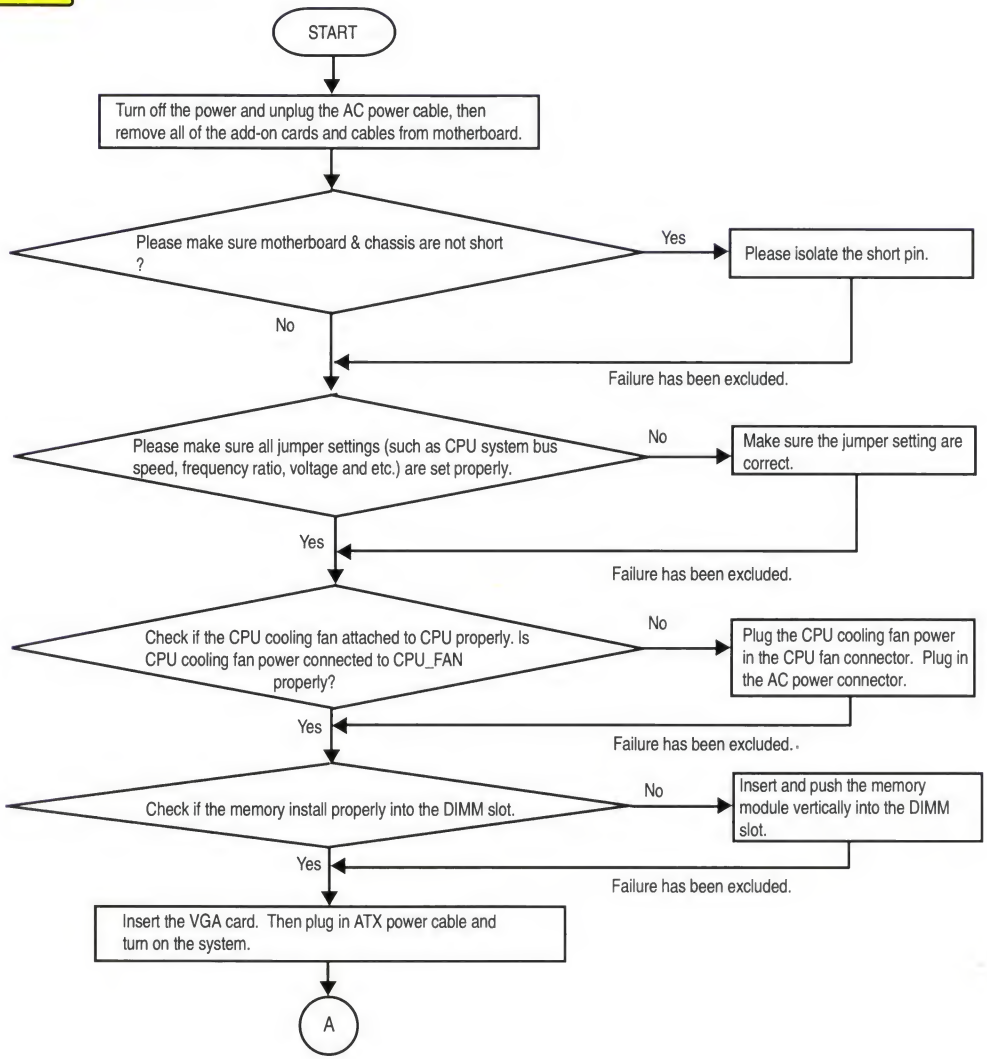
Follow the setup that showing on the scween to install the Utility.

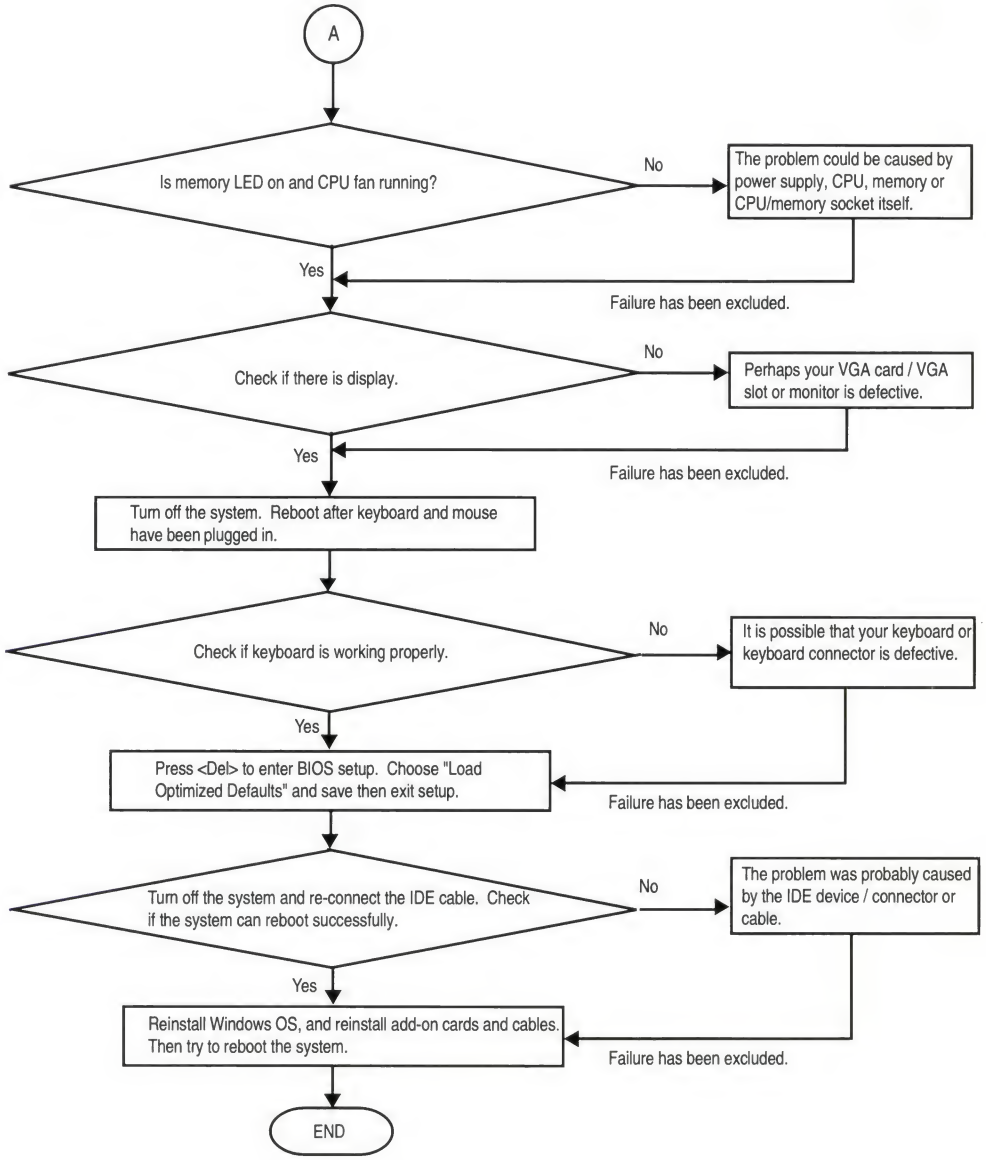
Inorder to install the driver successfully, please refer to the following installation procedures.

B: Sound Driver (RealTek AC'97 Audio Driver)

STEP 16 : Troubleshooting

If you encounter any trouble during boot up, please follow the troubleshooting procedures .





If the above procedure unable to solve your problem, please contact with your local retailer or national distributor for help. Or, you could submit your question to the service mail via Gigabyte website technical support zone (http://www.gigabyte.com.tw). The appropriate response will be provided ASAP.